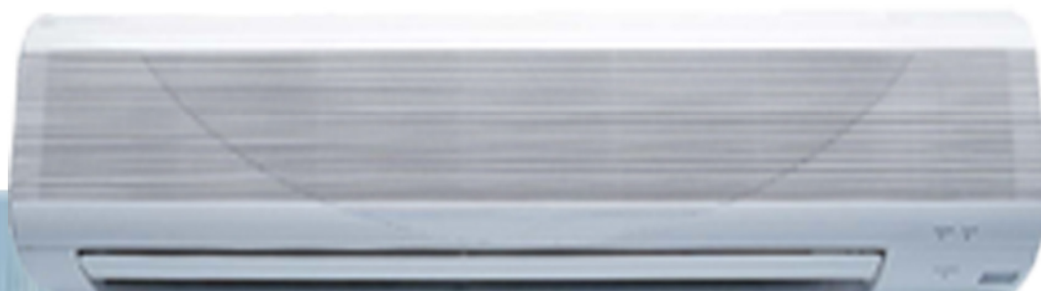


USER MANUAL

PHY SERIES

HIGH WALL AIR CONDITIONERS

R407- C



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1. MAIN FEATURES

TIMER SETTING FUNCTION

*Allows you to program the unit to turn on. Auto Start or Auto Stop any time within 24 hours.



*For presetting the time: press timer for OFF when unit is in ON condition.
Press timer for ON when unit is in OFF condition.

3 MINUTE DELAY FOR COMPRESSOR PROTECTION

*To protect your system from problems caused by frequent starting and stopping, there is an automatic 3 minute delay before compressor starts operating when you change modes.



SLEEP FUNCTION

(COOL AND HEAT MODES)

*After selecting the temperature required, during the first 2 hours of operation the unit will automatically increase temperature by 2°C above your requested level in cooling mode or decrease temperature by 2°C in heating mode.

*Sleep function saves electricity and provides a comfortable sleeping environment.



AUTOMATIC AIRFLOW CYCLE

*The modern automatic up-down louver ensures airflow is evenly distributed in automatic cycles or may be stopped in a position according to your selection.



REMOTE CONTROL HANDSET

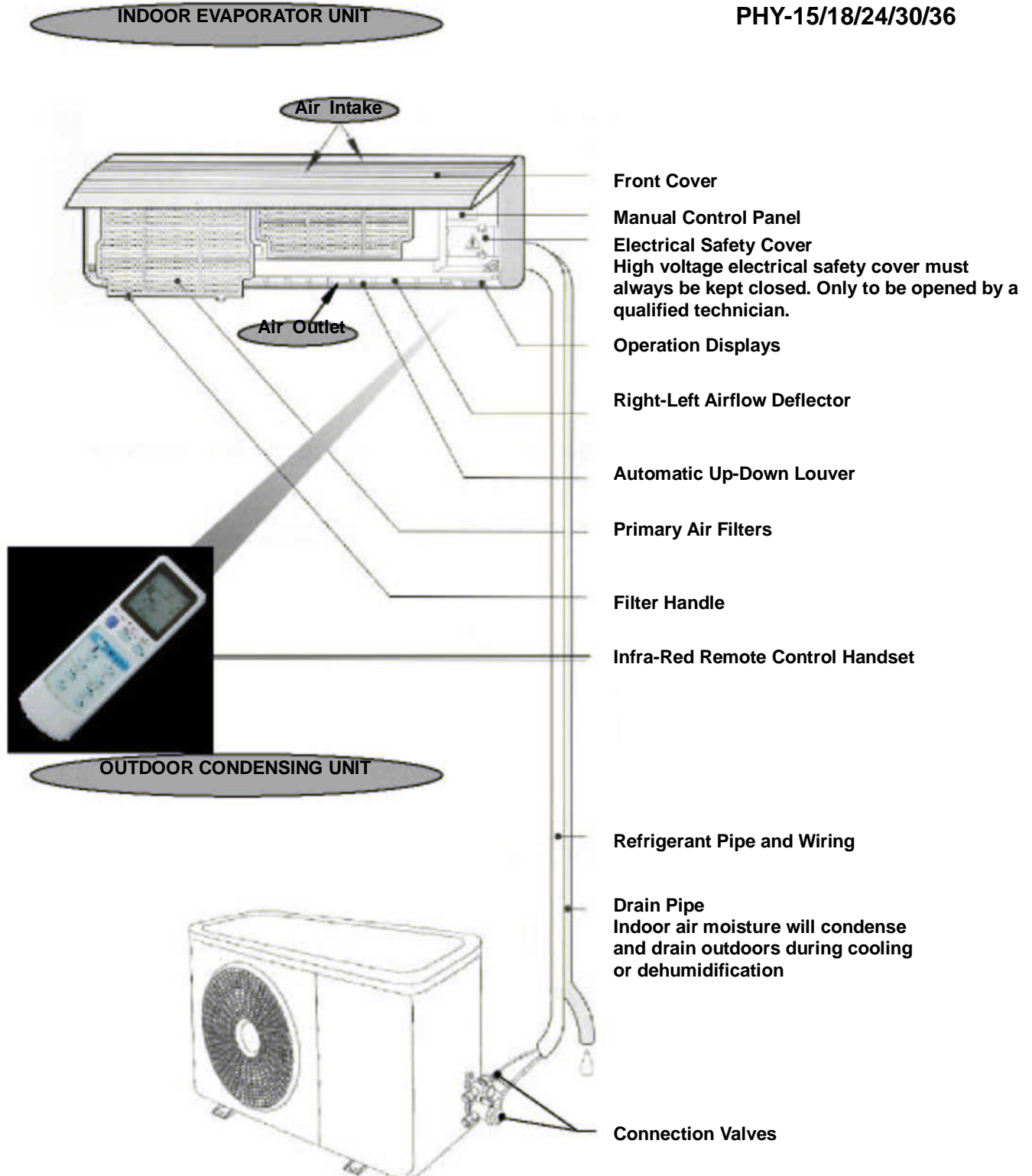
*Your infra-red remote control handset has a wide communication range.



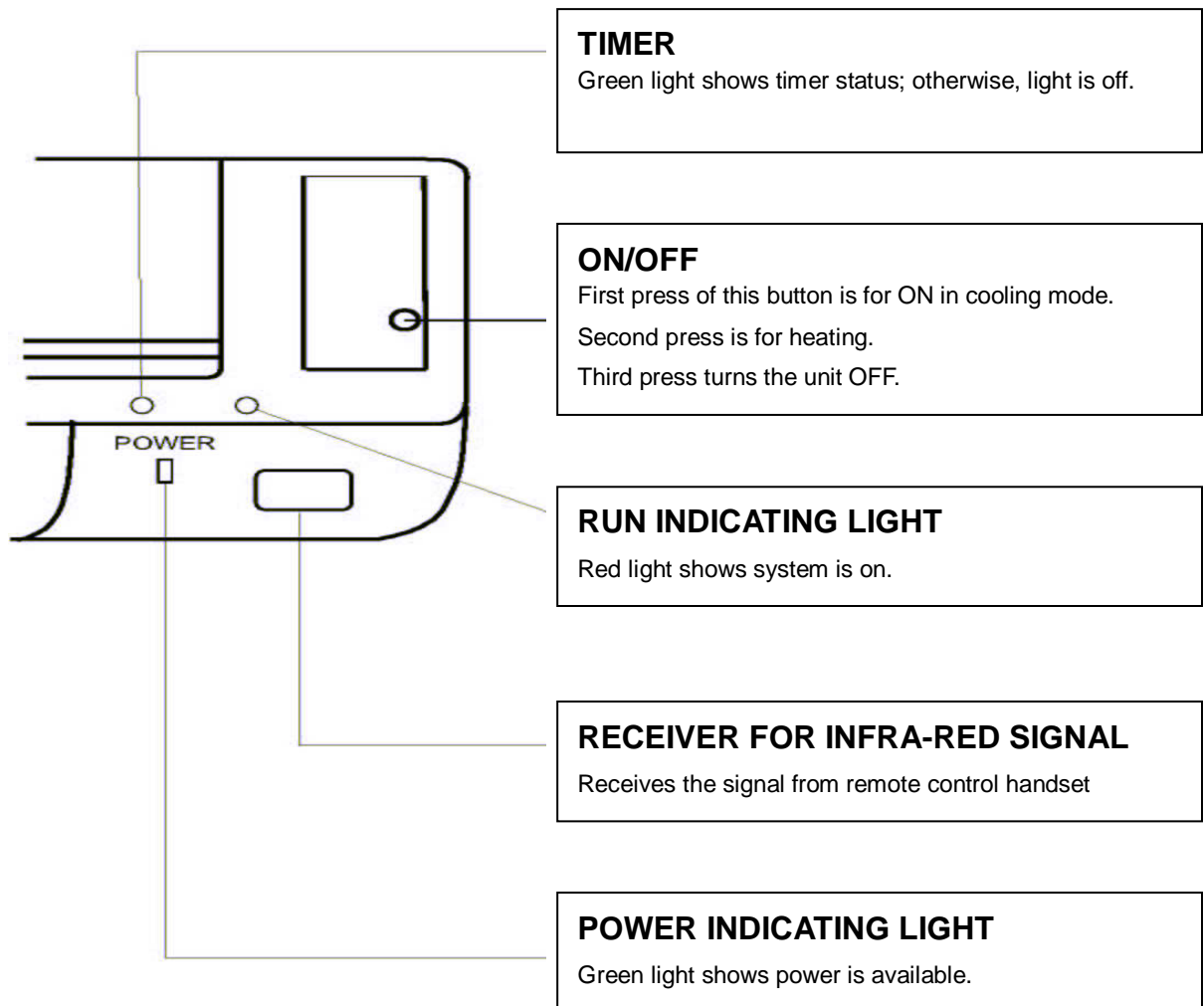
2. SYSTEM DESCRIPTION

MODELS: PHY-07/09/12

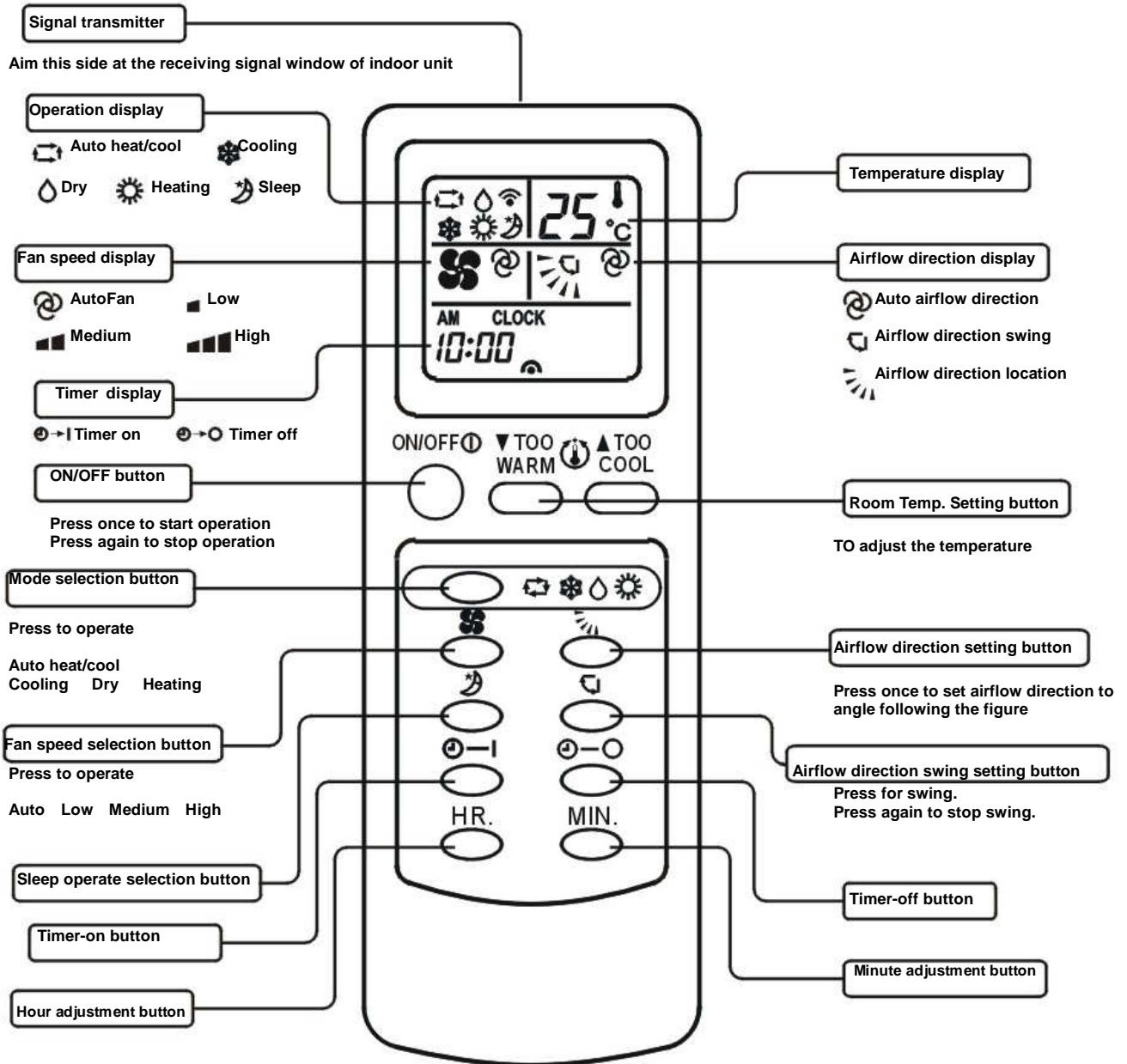
PHY-15/18/24/30/36



3. INDOOR UNIT MANUAL CONTROL PANEL & DISPLAYS








4. REMOTE CONTROL HANDSET (LCD)



NAMES AND FUNCTIONS OF HANDSET DISPLAY AREA





1. Operation display area:

Shows the selected operation mode. You can select Auto heat/cool , cooling , heating , dry , or sleep .




2. Temperature display:

Show the set temperature.

3. Fan speed display:

Shows the selected fan speed. You can select Auto Fan , low , medium , or high .

4. Airflow direction display:

Shows the selected airflow direction. You can select  auto direction,  full louver swing,  select louver position.

5. Time display area:

If you have set timer on or timer off, it will show your timing, or it will show you the current real time.

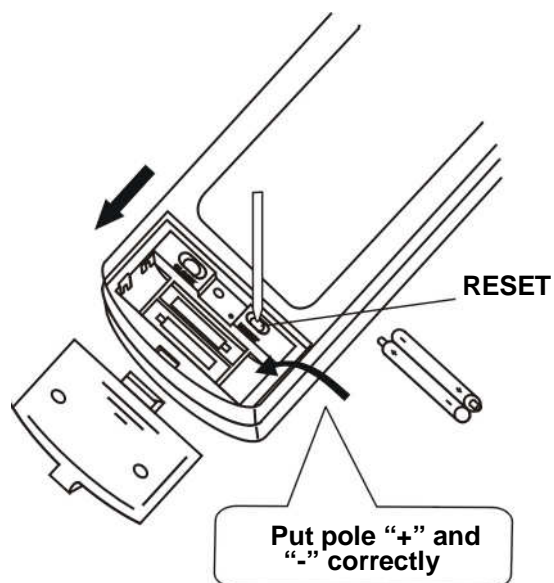
★ Notes:

1. All the icons shown in the picture of remote controller are for customer's reference. When in actual use, screen will only show you the corresponding area.
2. If the air-conditioner is turned off, screen will show nothing. (Except for starting air-conditioner using timer-on.)


OPERATION INSTRUCTIONS



1. HOW TO INSERT NEW BATTERIES

- ★After inserting the batteries, please press the reset button to set the remote controller ready for use.

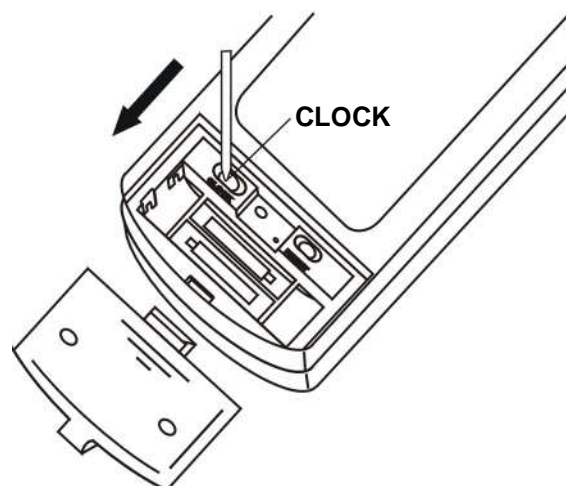


2. ADJUSTING THE TIME OF REMOTE CONTROL HANDSET



- ★Open the back cover of remote controller, press * **CLOCK** button, when the display is flashing *  and **CLOCK**, then begin to set the time.


- ★Press  button and press  button to change the time.


- ★Press ***CLOCK** to fix the right time, then flashing will stop.



3. AUTO OPERATION



- ★Press  button to start the air-conditioner. Now, fan speed is automatic (fan speed is selected by the micro computer to suit room cooling requirement). Press  to select desired fan speed.

- ★Press  button to select auto heat / cool mode.

- ★To stop working, press  button again.


- ★Setting temperature is not shown on remote controller when in AUTO heat/cool operation.


- ★When operation shifts from auto into heating or cooling operation, indoor fan speed can be set in low, middle, high speed or auto.

★After air conditioner operation for 15 minutes, if you feel too warm, please push <  > or <  > to adjust the temperature.



★Auto heat/cool operation is an economical mode, which selects suitable fan operation and mode according to room-temperature. Operation mode of louver can be set into Swing full flow, Auto, or you may select Angle 1>2>3>4>5.



4. COOLING, DRY AND HEATING OPERATION

★Press  button to start air conditioner.


★Press  mode button to select operation. Each press of this button changes the mode of operation from auto heat/cool → cooling → dry → heating.

★Press  button to set fan speed.






★Press  or  button to set air flow director.





★Press   button to set preferred temperature.

If you feel too warm, please press  or  to adjust the temperature.



★Press  button again, to stop operation.

5. ADJUSTMENT OF FAN SPEED AND HOW TO DO TIMER ON-OFF.


★To adjust fan speed, press  button. Fan speed changes in order from low speed , middle speed , high speed  to auto .

★To set timer on-off, press  or  button, then press  or  to adjust time.

To cancel the timer function, press  button or  button again.

★Press  to start sleep mode, press  again to cancel.

TIPS ABOUT REMOTE CONTROL HANSET

- ★The range of handset signal is 6 metres distance from indoor unit, without any obstruction.
- ★Remote control handset will show  by pressing any button and at the same time, indoor unit will sound, meaning it has received the signal. If this sound cannot be heard, please press the button again or check if unit is within signal receiving range.
- ★Remote control handset must not be exposed to humidity, sunlight, heat source, or rough handling.
- ★Signal transmitter must be aimed at signal receiving window, with a maximum angle of 30°.
- ★Signal receiving window must not be exposed to strong light which will interfere with handset signal.

5. GUIDE TO PROPER USAGE

Please consider the following suggestions for electricity saving and a comfortable environment.

ESTABLISH A WELL SUITED TEMPERATURE SETTING

*When cooling, the most comfortable environment is to set the room temperature 5 °C less than the outside temperature.

*When cooling or heating, 10% electricity consumption can be saved for every 1 °C higher (cooling) or lower (heating) temperature setting.



HELP YOUR UNIT WORK EFFICIENTLY

*When cooling, there should be a curtain at the window to avoid sunlight shining directly into the room.

*When heating or cooling, always keep the doors and the windows of the room closed.



USE THE TIMER EFFECTIVELY

*When cooling, or heating, please use timer for Auto Stop in order to save energy. Timer for Auto Start also provides a comfortable environment when required.

*Sleep function saves energy and provides a comfortable sleeping environment.

Use the
'Timer'
efficiently



SET THE AIRFLOW DIRECTION PROPERLY

*When cooling, or heating, please remember warm air rises so adjust your deflectors at a lower discharge angle when heating. Auto Swing Airflow function does this automatically for you.

*In all modes of operation air in the room will be distributed more evenly by selecting Auto Swing Airflow function. By pressing Swing again on your handset, while the unit continues to operate, Auto Swing Air flow will stop in your preferred airflow direction.



CLEAN THE PRIMARY AIR FILTERS REGULARLY

*Performance will be affected when the primary air filters become dirty.



6. ADJUSTING AIRFLOW DIRECTION

Airflow direction from the air outlet can be adjusted both vertically and horizontally

Adjusting Airflow Up-Down

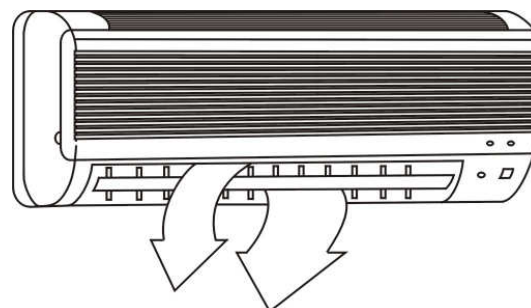
1. Auto Swing Airflow Up-Down

Air will be distributed more evenly by selecting Auto Swing Airflow function. The horizontal deflector closed automatically when the unit is OFF.

2. Adjusting Airflow

Remote control: Stop the Auto Swing Airflow to the airflow direction desired.

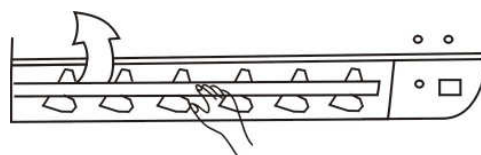
Manual control: Turn the horizontal deflector by hand upward or downward.



In Cooling Mode

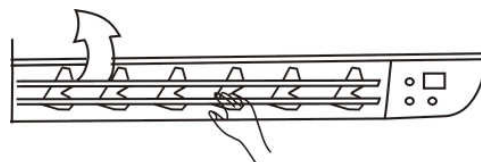
When cooling in hot weather, turning the horizontal deflector to the horizontal position improves air circulation in the room and cooling effectiveness.

PHY-7/9/12/15/18



Horizontal Deflector

PHY-24

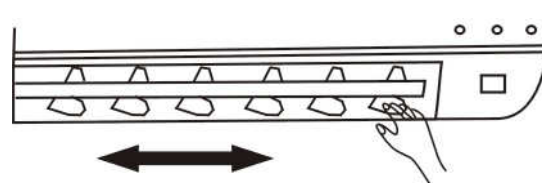


Horizontal Deflector

In Heating Mode

Since cold air descends and warm air ascends, turning the horizontal deflector downwards when in heating mode will more evenly distribute warm air in the room.

PHY-7/9/12/15/18

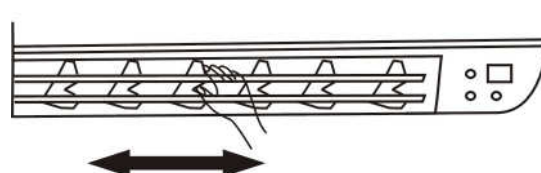


Vertical Deflector

Adjusting Airflow Left-Right

Turn the vertical deflector by hand left or right to the desired position.

PHY-24

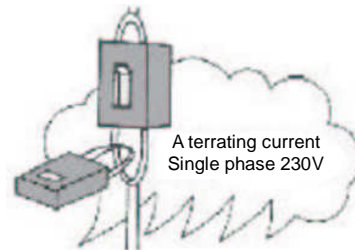


Vertical Deflector

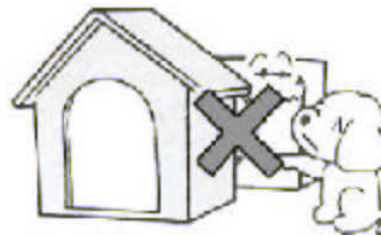
7. CARE AND PRECAUTIONS

Please pay attention to the following to ensure operation efficiency.

Use a stable power source for your unit.



Do not obstruct indoor or outdoor unit intake or outlet to ensure proper operation.



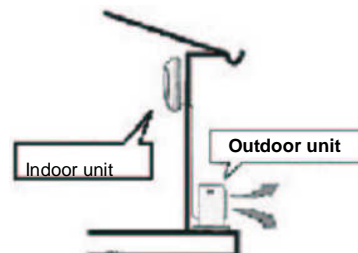
Do not insert foreign materials into the intake or outlet of the indoor or outdoor unit.



Install both indoor and outdoor units in proper places.

*Install both indoor and outdoor units on a firm and flat location that can with stand weight yet has easy access for maintenance.

*Do not install either the indoor or outdoor unit near locations where there are flammable gases, petrol or oil.



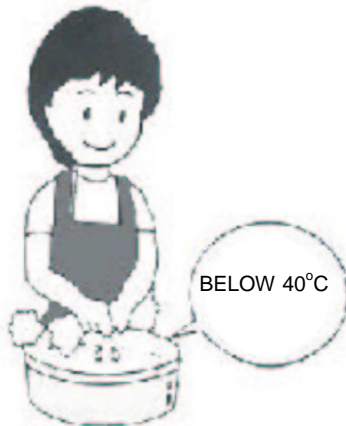
***Put a cover on the outdoor unit and switch off the main power when it will not be used for extended periods of time.**



7. CARE AND PRECAUTIONS

Care of Unit

When cleaning the outside surfaces of the indoor unit use a soft cotton cloth with a mild detergent in warm water and wipe casing gently.



Do not use any form of alcohol, oils or chemical agents which may cause damage to the casing.



Do not wash the unit with water directly to avoid short circuiting the unit.

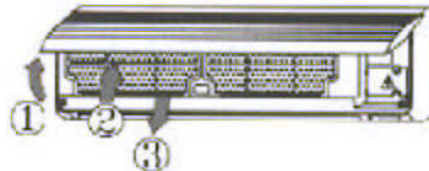


Cleaning the primary Air filters

Cleaning of the primary air filters is needed approximately once every two weeks.

1. Take the primary air filters out when the unit is completely off.

- Open the front cover.
- Push the primary air filters up gently until the filter handles are exposed pull downwards.



If the primary air filters are very dirty, clean with a mixture of mild detergent and warm water and let them dry before reinstalling.



2. Re-install the primary air filters

3. Close the front cover.

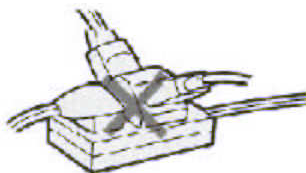


8. TROUBLE SHOOTING GUIDE

If your system is not functioning properly, please follow our checking procedures to determine if there is a genuine fault.

(A) WHEN THE FAN ON THE INDOOR UNIT DOES NOT OPERATE

1. Check whether power is On or Off.
2. Check whether power supply is available.
3. Are other home appliances working properly on the same electrical circuit?



4. Check whether there is a low battery supply to the remote controller which may affect normal operation.
5. Check whether the controller is communicating with the indoor unit. Use the manual control panel inside the lift up cover.
6. Check whether the setpoint is reasonable.
 - a. During cooling mode, if the temperature setpoint is higher than the room temperature, the compressor will not start.
 - b. During heating mode, if the temperature setpoint is lower than the room temperature, the compressor will not start.

(B) WHEN THE INDOOR UNIT IS OPERATING, BUT THE TEMPERATURE DOES NOT MEET YOUR EXPECTATIONS.

1. Check whether the temperature setpoint is set properly
2. Check whether there is a sudden increase in the number of people in the room.
3. Check whether the filters are dirty on the indoor unit or whether the heat exchanger is dirty in the outdoor unit both of which will block air flow entering and impair efficient performance. Once a year the heat exchanger in the outdoor unit should be cleaned by a serviceman. For quick cleaning, remove any dirt from the heat exchanger with a stiff brush.
4. Check the supply and return air grilles on both the indoor and outdoor units to see whether there is an obstruction to the airflow.



5. Check whether all the windows are closed properly.

If you have tried the above procedures without success, please switch the unit off and contact our service centre or distributor or arrange for our service personnel to investigate.

9. MEMO FOR FUTURE SERVICE

PLEASE INSERT:

Model

Indoor Evaporator Unit

:

Outdoor condensing Unit

:

Purchase Date

:

Distributor and Service Center

:

Contact details

Serviceman

:

Telephone Number

:

Home or Office Notes

Last maintenance system check date

:

Last cleaning of heat exchanger in outdoor unit date

:

Last check of filters cleanliness date

:

Last filters replacement date

:

Last replacement of handset batteries date

:

